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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/511,447	10/26/2004	Hiroshi Takahara	260903US2PCT	4248
	22850 OBLON, SPIV	7590 10/18/2007 'AK, MCCLELLAND MA	EXAMINER		
	1940 DUKE STREET ALEXANDRIA, VA 22314			CHOWDHURY, AFROZA Y	
	ALEXANDRI	A, VA 22314		ART UNIT	PAPER NUMBER
				2629	
				NOTIFICATION DATE	DELIVERY MODE
				10/18/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com oblonpat@oblon.com jgardner@oblon.com

	Application No.	Applicant(s)	Applicant(s)					
Office Action Summan	10/511,447	TAKAHARA ET AL.						
Office Action Summary	Examiner	Art Unit						
	Afroza Y. Chowdhury	2629						
The MAILING DATE of this communication appo Period for Reply	ears on the cover sheet wi	th the correspondence address						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNION (6(a). In no event, however, may a result of the second will expire SIX (6) MON cause the application to become AB	CATION. Apply be timely filed THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).						
Status								
1) Responsive to communication(s) filed on								
<u> </u>	action is non-final.							
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims								
4)⊠ Claim(s) <u>1-15</u> is/are pending in the application.								
4a) Of the above claim(s) is/are withdraw	vn from consideration.							
5) Claim(s) is/are allowed.								
6) Claim(s) is/are rejected.								
7) Claim(s) is/are objected to.	•							
8)⊠ Claim(s) <u>1-15</u> are subjected to: 8)⊠ Claim(s) <u>1-15</u> are subject to restriction and/or election requirement.								
Application Papers								
9) The specification is objected to by the Examiner.								
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under 35 U.S.C. § 119	animen read the attached	Tomos Nation of Tomos To Toz.						
<u> </u>	maiorite condon 25 H O O S	440(-) (-) (9						
	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a)⊠ All b)□ Some * c)□ None of:								
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the prior	-	received in this National Stage						
application from the International Bureau	` ' ' '							
* See the attached detailed Office action for a list of	* See the attached detailed Office action for a list of the certified copies not received.							
	1							
Attachment(s)								
1) Notice of References Cited (PTO-892)	4) Interview S	ummary (PTO-413)						
2) Notice of Neterletices Cited (FT0-092) Notice of Draftsperson's Patent Drawing Review (PT0-948)	Paper No(s	s)/Mail Date						
3) Information Disclosure Statement(s) (PTO/SB/08)		nformal Patent Application						
Paper No(s)/Mail Date	6)	<u>_</u> ·						

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-7, 10, and 15 are, drawn to "**EL driving**", classified in class 345, subclass 80.
 - II. Claim 8 is, drawn to "dummy pixel", classified in class 345, subclass 76.
 - III. Claims 12-14 are, drawn to "brightness control", classified in class 345, subclass 77.
- 2. Inventions Group I and Group II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because **Group I is** "a driving method for an EL". The subcombination has separate utility such as "Dummy pixel row formed outside the display area".

Inventions Group I and Group II are related as combination and subcombination.

Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other

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combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because **Group I is** "a driving method for an EL". The subcombination has separate utility such as "brightness control for EL in frame period".

Inventions Group I and Group II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because **Group II is** "a **Dummy pixel row formed outside the display area"**. The subcombination has separate utility such as "brightness control for EL in frame period".

The examiner has required restriction between combination and subcombination inventions. Where applicant elects a subcombination, and claims thereto are subsequently found allowable, any claim(s) depending from or otherwise requiring all the limitations of the allowable subcombination will be examined for patentability in accordance with 37 CFR 1.104. See MPEP § 821.04(a). Applicant is advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such

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claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Afroza Y. Chowdhury whose telephone number is 571-270-1543. The examiner can normally be reached on 7:30-5:00 EST, 5/4/9.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amare Mengistu can be reached on 571-272-7674. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AC 10/12/2007

AMARE MENGISITO
SUPERVISORY PATENT EXAMINER

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ABSTRACT

In order to charge and discharge parasitic capacitance of a source signal line sufficiently and program a predetermined current value into a pixel transistor, it is necessary to output a relatively large current from the source driver circuit. However, if such a large current is passed through the source signal line, the value of this current is programmed into the pixel, causing a larger than desired current to flow through an EL element. For example, if a 10 times larger current is used for programming, a 10 times larger current flows through the EL element, and thus the EL element illuminates 10 times more brightly. To obtain predetermined emission brightness, the time during which the current flows through the EL element can be reduced to 1/10 of one frame (1 F). This way, the parasitic capacitance of the source signal line can be charged and discharged sufficiently and the predetermined emission brightness can be obtained.